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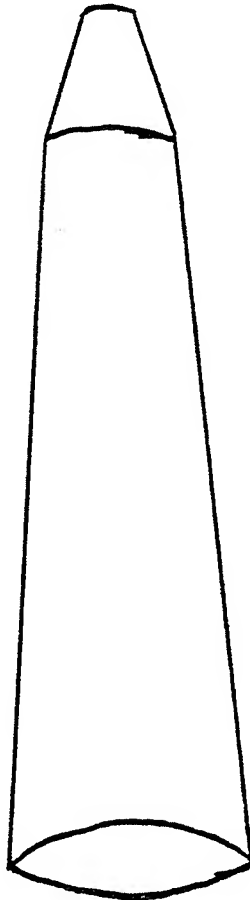
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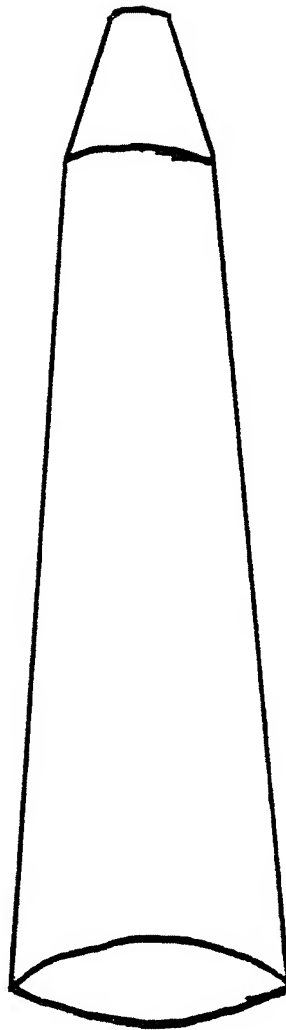
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(54) Inflation nozzle

(57) An inflation nozzle comprising a tapering tube for use in combination with a vacuum cleaner to inflate inflatable articles has its wider end dimensioned to receive a vacuum cleaner hose end and its narrower end dimensioned to enter and form a seal with an orifice of the inflatable article. To improve sealing, small raised ridges may be spaced around the internal circumference of the wider end and the external circumference of the narrower end. The nozzle may be a plastics extrusion.



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## INFLATION NOZZLE .

This invention relates to a low pressure inflation nozzle.

As has been the case in the past various devices have been provided to secure the inflation with air such items as air beds, air filled mattresses, paddling pools, inflatable boats, beach balls and even balloons etc. These devices have mainly consisted of hand or foot operated mechanical devices, pumps usually requiring much physical effort and time consumption, to secure the suitable inflation of even the smaller objects such as beach balls. Or the task has been simplified by purchasing at considerable expense a specialised air pump. Therefore by the very requirement of such considerable manual effort for prolonged periods of time taken to inflate these items, often excludes the casual use for which many of them were intended.

Indeed many of these inflatable items were specifically designed for use in the home and garden, depending on the weather and climatic conditions. Their utilisation could be greatly increased if inflation could be completed in seconds without physical effort.

This invention utilises a common household appliance, namely a vacume cleaner to provide a readily available supply of low pressure high volume air. A nozzle specifically designed that when slotted onto a vacume cleaner hose and the hose subsequently fitted to the exhaust and blowing end of the vacume cleaner, the other end of the nozzle will fit into the majority of orifices fitted to such things as air beds for the purpose of inflation.

The device would consist of a tapering tubular nozzle, made from extruded plastic. Suitably sized at the larger end to enable the insertion of various sized vacume cleaner hose ends. Conversely at the other end being of a suitably tapering nature so as to enable it to enter and form a seal with the orifices of the appliances to be inflated when hand held.

In order to effect a better seal between nozzle and vacume cleaner hose it may be advantages to have small raised ridges suitably spaced around the internal circumference of the larger end of the nozzle. And in order to effect a better seal between the nozzle and inflatable appliance it may be advantages to have small raised ridges suitably spaced around the external circumference of the smaller end of the nozzle.

A specific embodiment of the invention will now be shown in the drawing.

CLAIMS

1 A inflation nozzle, a tapering tubular nozzle. Suitably sized at the larger end to enable the insertion of various sized vacume cleaner hose ends. While at the other end being of a suitably tapering nature so as to enable it to enter and form an air tight seal with the orifices of the appliances to be inflated when hand held.

2 A inflation nozzle as claimed in claim one, where in order to effect a better seal between nozzle and vacume cleaner hose, small raised ridges are placed, suitably spaced around the internal circumference of the larger end of the nozzle.

3 A inflation nozzle as in claim one and two, where in order to effect a better seal between the nozzle and inflatable appliance, small raised ridges are placed suitably spaced around the external circumference of the smaller end of the nozzle.

4 A inflation nozzle substantially as described herein with reference to the accompanying drawing.